

Rabbit anti-Human, mouse ARK5 Polyclonal Antibody | anti-NUAK1 antibody

ARK5 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284985	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

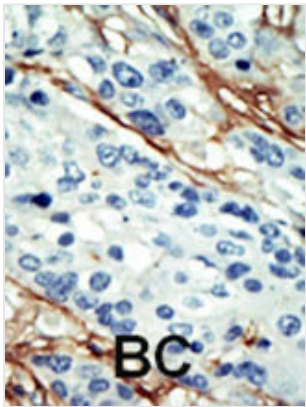
PRODUCT SYNONYMS

ARK5; Polyclonal Antibody; ARK5 Antibody (C-term); NUAK family SNF1-like kinase 1; AMPK-related protein kinase 5; Omphalocele kinase 1; NUAK1; KIAA0537; OMPHK1; anti-NUAK1 antibody

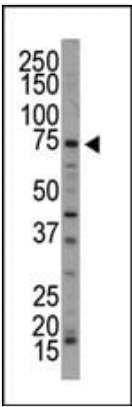
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ARK5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 604-634 amino acids from the C-terminal region of human ARK5.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	604-634
Sequence Length	208
Applicable Applications for anti-NUAK1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of anti-ARK5 Pab in mouse brain tissue lysate. ARK5 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-NUAK1 antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The STE group (homologs of yeast Sterile 7, 11, 20 kinases) consists of 50 kinases related to the mitogen-activated protein kinase (MAPK) cascade families (Ste7/MAP2K, Ste11/MAP3K, and Ste20/MAP4K). MAP kinase cascades, consisting of a MAPK and one or more upstream regulatory kinases (MAPKKs) have been best characterized in the yeast pheromone response pathway. Pheromones bind to Ste cell surface receptors and activate yeast MAPK pathway.
Product Categories/Family for anti-NUAK1 antibody	Cancer; Signal Transduction
References	Suzuki, A., et al., Mol. Cell. Biol. 24(8):3526-3535 (2004). Suzuki, A., et al., Oncogene 22(40):6177-6182 (2003). Suzuki, A., et al., J. Biol. Chem. 278(1):48-53 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	7662170
NCBI GeneID	9891
NCBI Accession #	NP_055655.1
NCBI GenBank Nucleotide #	NM_014840.2
UniProt Accession #	O60285; Q96KA8; A7MD39
Molecular Weight	74305
NCBI Official Full Name	NUAK family SNF1-like kinase 1
NCBI Official Synonym Full Names	NUAK family, SNF1-like kinase, 1
NCBI Official Symbol	NUAK1
NCBI Official Synonym Symbols	ARK5
NCBI Protein Information	NUAK family SNF1-like kinase 1

UniProt Protein Name	NUAK family SNF1-like kinase 1
UniProt Gene Name	NUAK1
UniProt Synonym Gene Names	ARK5; KIAA0537; OMPHK1; ARK5
UniProt Entry Name	NUAK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ark5-antibody-immunohistochemistry-western-blot-elisa/284985>